



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 12341630
SAU: MSAD 40
School: Prescott Memorial School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

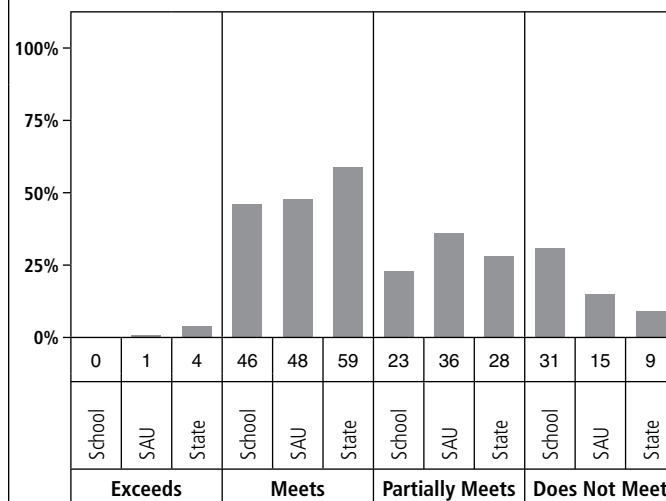
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

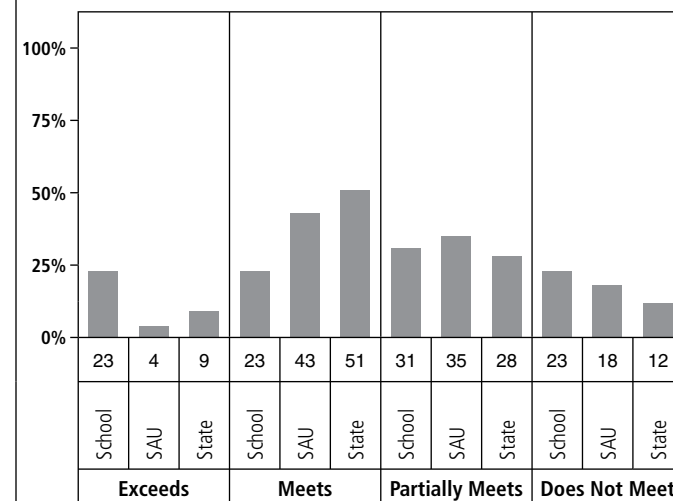
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	441	441	444
2006–2007	441	441	445
2007–2008	436	442	445
Cum. Avg. *	439	441	445
Mathematics			
2005–2006	446	440	444
2006–2007	441	441	445
2007–2008	441	440	445
Cum. Avg. *	443	440	445
Science & Technology			
2005–2006	443	439	444
2006–2007	438	438	444
2007–2008	438	440	444
Cum. Avg. *	440	439	444

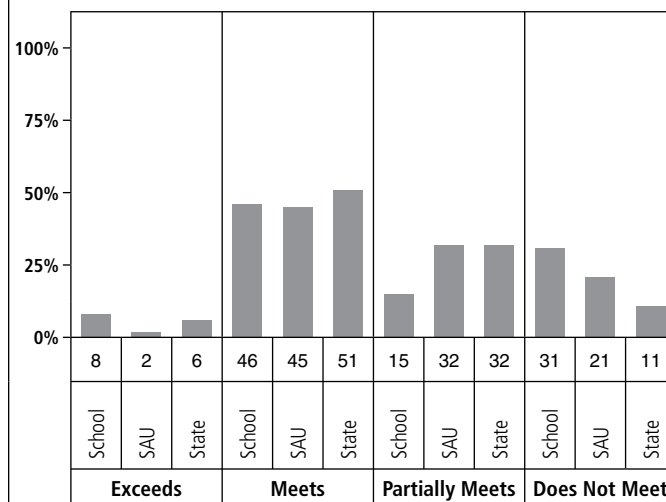
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	13	100	169	100	14207	100	13	100	168	99	14181	100	13	100	168	99	14123	100	13	100	166	98	14115	99						
Ethnicity African American/Black	0	0	1	1	390	3	0	0	1	100	388	99	0	0	1	100	388	99	0	0	1	100	386	99						
American Indian or Native Alaskan	0	0	2	1	101	1	0	0	2	100	101	100	0	0	2	100	101	100	0	0	2	100	101	100						
Asian or Pacific Islander	0	0	2	1	263	2	0	0	2	100	259	98	0	0	2	100	262	100	0	0	2	100	262	100						
Hispanic	0	0	2	1	170	1	0	0	2	100	168	99	0	0	2	100	166	98	0	0	2	100	166	98						
Caucasian/White	13	100	162	96	13282	93	13	100	161	99	13264	100	13	100	161	99	13205	100	13	100	159	98	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100							
Identified disability	3	23	28	17	2524	18	3	100	27	96	2514	100	3	100	27	96	2498	99	3	100	26	93	2494	99						
Current LEP	0	0	1	1	385	3	0	0	1	100	377	98	0	0	1	100	383	99	0	0	1	100	380	99						
Economically disadvantaged	5	38	78	46	5587	39	5	100	77	99	5569	100	5	100	77	99	5538	99	5	100	77	99	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100							

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	10	77	130	77	10755	76	10	77	130	77	10730	76	10	77	130	77	10776	76						
Identified disability (PET/IEP)	0	0	1	1	375	3	0	0	1	1	374	3	0	0	2	2	384	4						
LEP	0	0	1	1	148	1	0	0	1	1	148	1	0	0	1	1	150	1						
504 plan	0	0	3	2	114	1	0	0	3	2	114	1	0	0	3	2	115	1						
Participation with accommodations	3	23	38	22	3298	23	3	23	38	22	3267	23	3	23	36	21	3215	23						
Identified disability (PET/IEP)	3	100	26	68	2013	61	3	100	26	68	1998	61	3	100	24	67	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	3	8	69	2	0	0	3	8	68	2	0	0	3	8	67	2						
Other	0	0	9	24	1046	32	0	0	9	24	1023	31	0	0	9	25	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	1	1	11	0	0	0	1	1	68	0	0	0	3	2	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	1	1	601	4
	2006-2007	0	0	2	2	507	4
	2007-2008	0	0	2	1	559	4
	Cum. Total*	0	0	5	1	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	6	50	72	51	7910	57
	2006-2007	6	43	66	51	8749	63
	2007-2008	6	46	81	48	8308	59
	Cum. Total*	18	46	219	50	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	5	42	47	34	3970	29
	2006-2007	6	43	42	32	3467	25
	2007-2008	3	23	60	36	3922	28
	Cum. Total*	14	36	149	34	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	1	8	20	14	1421	10
	2006-2007	2	14	20	15	1165	8
	2007-2008	4	31	25	15	1264	9
	Cum. Total*	7	18	65	15	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	24.0	50.0	27.2	56.7	29.7	61.9
Literary Text	24	50	12.9	53.8	14.2	59.2	15.5	64.6
Informational Text	24	50	11.1	46.3	13.0	54.2	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Prescott Memorial School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	13	0	0	6	46	3	23	4	31	436	168	1	48	36	15	442	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										1						384	1	36	35	28	438
American Indian or Native Alaskan	0										2						101	1	46	44	10	442
Asian or Pacific Islander	0										2						259	6	61	22	11	445
Hispanic	0										2						164	0	45	38	16	440
Caucasian/White	13	0	0	6	46	3	23	4	31	436	161	1	48	35	15	441	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	3										27	0	30	33	37	435	2388	0	29	44	26	437
No	10	0	0	5	50	2	20	3	30	437	141	1	52	36	11	443	11665	5	65	25	6	446
Current LEP																						
Yes	0										1						373	1	32	35	32	436
No	13	0	0	6	46	3	23	4	31	436	167	1	49	35	15	442	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	5	0	0	2	40	1	20	2	40	435	77	1	38	42	19	440	5502	1	47	37	14	441
No	8	0	0	4	50	2	25	2	25	437	91	1	57	31	11	443	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	13	0	0	6	46	3	23	4	31	436	168	1	48	36	15	442	14048	4	59	28	9	445
Gender																						
Female	8	0	0	3	38	3	38	2	25	434	92	2	45	38	15	441	6959	5	61	26	8	446
Male	5	0	0	3	60	0	0	2	40	440	76	0	53	33	14	442	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	5	0	0	1	20	1	20	3	60	428	56	0	27	46	27	436	1890	0	37	46	17	439
No	8	0	0	5	63	2	25	1	13	441	112	2	59	30	9	444	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	13	0	0	6	46	3	23	4	31	436	168	1	48	36	15	442	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Prescott Memorial School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										4	0	17	33	50	432	5	1	42	36	21	440
B. less than one hour	69	0	0	4	44	2	22	3	33	434	83	1	51	35	13	442	74	4	62	27	7	445
C. one to two hours	23	0	0	2	67	1	33	0	0	445	10	6	47	47	0	445	18	5	59	29	7	446
D. more than two hours	8	0	0	0	0	0	0	1	100	426	3	0	20	20	60	430	2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	77	0	0	5	50	2	20	3	30	439	33	0	54	33	13	443	30	6	63	24	7	446
B. They match some of what I have learned.	23	0	0	1	33	1	33	1	33	427	46	3	52	36	9	443	52	4	63	27	6	446
C. They match just a little of what I have learned.	0										12	0	45	35	20	440	12	2	46	37	15	441
D. There is no match.	0										9	0	20	47	33	435	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	23	0	0	1	33	1	33	1	33	433	31	2	45	33	20	441	35	7	66	20	6	448
B. good	46	0	0	4	67	1	17	1	17	442	50	1	55	37	7	444	51	3	60	29	7	445
C. fair	31	0	0	1	25	1	25	2	50	429	17	0	39	39	21	439	12	1	44	40	16	440
D. poor	0										2	0	25	50	25	435	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	8	0	0	0	0	0	0	1	100	408	17	0	29	43	29	436	19	2	46	34	17	442
B. about the same as my regular schoolwork	69	0	0	5	56	2	22	2	22	440	56	0	55	35	10	443	62	5	64	26	5	446
C. easier than my regular schoolwork	23	0	0	1	33	1	33	1	33	433	26	5	49	33	14	442	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	15	0	0	0	0	0	0	2	100	417	15	0	29	38	33	435	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	54	0	0	3	43	2	29	2	29	436	51	0	46	42	12	441	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	31	0	0	3	75	1	25	0	0	445	34	4	61	27	9	445	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	15	0	0	0	0	1	50	1	50	431	22	6	44	36	14	443	18	7	64	22	7	447
B. 20 minutes to an hour	15	0	0	0	0	0	0	2	100	414	39	0	56	28	16	442	55	4	64	26	6	446
C. less than 20 minutes	38	0	0	4	80	1	20	0	0	446	13	0	50	45	5	442	14	2	53	33	12	443
D. I rarely read at home.	31	0	0	2	50	1	25	1	25	437	26	0	40	44	16	439	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	25	0	0	1	33	1	33	1	33	427	32	2	33	43	22	439	23	3	50	34	13	442
B. six to ten pages	75	0	0	4	44	2	22	3	33	436	28	0	61	30	9	443	25	3	60	29	8	444
C. eleven or more pages	0										41	2	51	35	12	443	52	5	64	24	6	446
Optional school/SAU question																						
A.	100	0	0	0	0	0	0	1	100	408	57	25	0	50	25	436						
B.	0										29	0	0	50	50	432						
C.	0										14	0	0	100	0	432						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	0	0	3	2	1294	9
	2006-2007	2	14	6	5	1054	8
	2007-2008	3	23	7	4	1321	9
	Cum. Total*	5	13	16	4	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	7	58	70	50	7000	50
	2006-2007	3	21	52	40	7394	53
	2007-2008	3	23	72	43	7079	51
	Cum. Total*	13	33	194	44	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	4	33	34	24	3784	27
	2006-2007	7	50	48	37	3729	27
	2007-2008	4	31	59	35	3955	28
	Cum. Total*	15	38	141	32	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	1	8	33	24	1894	14
	2006-2007	2	14	24	18	1735	12
	2007-2008	3	23	30	18	1642	12
	Cum. Total*	6	15	87	20	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.2	61.3	8.7	58.0	9.5	63.3
Cluster 2: Shape and Size	14	29	8.5	60.7	8.5	60.7	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.2	64.0	3.1	62.0	3.4	68.0
Cluster 4: Patterns	14	29	8.1	57.9	8.6	61.4	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Prescott Memorial School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	13	3	23	3	23	4	31	3	23	441	168	4	43	35	18	440	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										1						386	4	26	34	36	434
American Indian or Native Alaskan	0										2						101	3	46	41	11	442
Asian or Pacific Islander	0										2						262	14	51	23	12	447
Hispanic	0										2						162	4	41	34	21	440
Caucasian/White	13	3	23	3	23	4	31	3	23	441	161	4	43	35	17	441	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	3										27	4	11	37	48	430	2372	3	31	36	30	436
No	10	2	20	3	30	3	30	2	20	442	141	4	49	35	12	442	11625	11	54	27	8	447
Current LEP																						
Yes	0										1						381	4	33	28	35	435
No	13	3	23	3	23	4	31	3	23	441	167	4	43	35	17	440	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	5	1	20	0	0	3	60	1	20	440	77	1	36	42	21	438	5472	5	41	35	19	440
No	8	2	25	3	38	1	13	2	25	441	91	7	48	30	15	442	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	13	3	23	3	23	4	31	3	23	441	168	4	43	35	18	440	13992	9	51	28	12	445
Gender																						
Female	8	2	25	1	13	3	38	2	25	438	92	5	42	30	22	440	6933	9	50	29	12	445
Male	5	1	20	2	40	1	20	1	20	445	76	3	43	41	13	441	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	5	0	0	1	20	2	40	2	40	430	56	0	27	41	32	434	1890	2	34	41	23	438
No	8	3	38	2	25	2	25	1	13	447	112	6	51	32	11	444	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	13	3	23	3	23	4	31	3	23	441	168	4	43	35	18	440	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										4	0	17	33	50	428	5	6	34	33	27	438
B. less than one hour	69	2	22	3	33	2	22	2	22	441	83	4	46	35	15	441	74	10	52	28	10	446
C. one to two hours	23	1	33	0	0	2	67	0	0	449	10	12	47	35	6	446	18	10	52	28	10	446
D. more than two hours	8	0	0	0	0	0	0	1	100	408	3	0	0	40	60	422	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	38	1	20	2	40	2	40	0	0	449	40	8	55	31	6	445	38	13	56	23	8	448
B. They match some of what I have learned.	54	2	29	1	14	2	29	2	29	441	40	3	45	30	22	440	48	8	52	29	10	445
C. They match just a little of what I have learned.	0										15	0	24	56	20	437	10	4	35	39	22	439
D. There is no match.	8	0	0	0	0	0	0	1	100	400	6	0	11	33	56	425	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	8	1	100	0	0	0	0	0	0	464	33	6	54	24	17	443	35	16	55	20	8	449
B. good	54	2	29	3	43	2	29	0	0	452	52	5	39	42	14	442	48	7	52	31	11	445
C. fair	23	0	0	0	0	2	67	1	33	426	13	0	38	43	19	436	14	3	41	38	18	440
D. poor	15	0	0	0	0	0	0	2	100	410	3	0	40	0	60	426	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	8	0	0	0	0	0	0	1	100	412	12	0	37	47	16	438	15	4	38	33	25	439
B. about the same as my regular schoolwork	69	2	22	2	22	3	33	2	22	440	60	4	44	34	17	441	64	10	54	28	9	446
C. easier than my regular schoolwork	23	1	33	1	33	1	33	0	0	452	28	7	46	30	17	442	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	23	1	33	0	0	2	67	0	0	450	23	5	34	37	24	438	23	8	47	29	16	443
B. two or three days a week	54	2	29	3	43	1	14	1	14	447	42	4	46	38	12	443	36	11	54	27	9	447
C. two or three times each month	8	0	0	0	0	0	0	1	100	412	18	3	57	23	17	442	25	10	53	27	10	446
D. never or almost never	15	0	0	0	0	1	50	1	50	419	16	4	37	37	22	438	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	0										2	0	25	75	0	442	5	3	30	33	33	436
B. two or three days a week	0										10	0	50	38	13	442	19	8	50	30	12	445
C. two or three times each month	0										35	2	41	40	17	441	38	11	55	26	8	447
D. never or almost never	100	3	23	3	23	4	31	3	23	441	52	7	45	29	19	441	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	8	0	0	0	0	1	100	0	0	438	9	0	36	36	29	437	8	3	33	38	25	438
B. 30–45 minutes	23	1	33	0	0	1	33	1	33	437	26	5	52	29	14	442	27	6	48	33	13	443
C. 45–60 minutes	8	0	0	0	0	0	0	1	100	412	26	2	30	44	23	439	38	11	54	26	9	447
D. more than 60 minutes	62	2	25	3	38	2	25	1	13	446	40	6	49	32	12	442	26	13	55	23	9	448
Optional school/SAU question																						
A.	100	0	0	0	0	0	0	1	100	412	57	0	50	25	25	439						
B.	0										29	0	0	50	50	431						
C.	0										14	0	0	0	100	426						
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 40
School: Prescott Memorial School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	0	0	3	2	751	5
	2006-2007	2	14	3	2	963	7
	2007-2008	1	8	4	2	882	6
	Cum. Total*	3	8	10	2	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	6	50	53	38	7251	52
	2006-2007	3	21	45	35	6824	49
	2007-2008	6	46	74	45	7130	51
	Cum. Total*	15	38	172	40	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	6	50	63	45	4514	32
	2006-2007	6	43	54	42	4382	32
	2007-2008	2	15	53	32	4433	32
	Cum. Total*	14	36	170	39	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	0	0	20	14	1458	10
	2006-2007	3	21	28	22	1735	12
	2007-2008	4	31	35	21	1546	11
	Cum. Total*	7	18	83	19	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	6.5	54.2	7.1	59.2	8.0	66.7
Cluster 2: Physical Sciences	12	25	6.3	52.5	6.1	50.8	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	6.7	55.8	7.3	60.8	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.3	60.8	7.1	59.2	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Prescott Memorial School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	13	1	8	6	46	2	15	4	31	438	166	2	45	32	21	440	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										1						385	2	27	35	36	434
American Indian or Native Alaskan	0										2						101	3	44	44	10	441
Asian or Pacific Islander	0										2						262	5	52	28	14	443
Hispanic	0										2						162	2	38	39	21	439
Caucasian/White	13	1	8	6	46	2	15	4	31	438	159	3	45	31	21	440	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	3										26	0	27	35	38	434	2370	2	32	41	25	437
No	10	1	10	4	40	2	20	3	30	439	140	3	48	31	18	441	11621	7	55	30	8	445
Current LEP																						
Yes	0										1						379	1	25	35	39	433
No	13	1	8	6	46	2	15	4	31	438	165	2	45	32	21	440	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	5	0	0	3	60	0	0	2	40	439	77	1	32	39	27	437	5470	3	41	39	18	440
No	8	1	13	3	38	2	25	2	25	438	89	3	55	26	16	442	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	13	1	8	6	46	2	15	4	31	438	166	2	45	32	21	440	13986	6	51	32	11	444
Gender																						
Female	8	0	0	4	50	2	25	2	25	438	91	1	45	31	23	439	6929	6	49	33	12	443
Male	5	1	20	2	40	0	0	2	40	440	75	4	44	33	19	441	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	5	0	0	2	40	0	0	3	60	430	56	2	23	36	39	434	1888	1	32	44	23	437
No	8	1	13	4	50	2	25	1	13	444	110	3	55	30	12	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	13	1	8	6	46	2	15	4	31	438	166	2	45	32	21	440	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Prescott Memorial School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										4	0	33	17	50	433	5	4	37	36	22	439
B. less than one hour	69	0	0	4	44	2	22	3	33	435	83	1	46	32	21	440	74	6	53	31	10	444
C. one to two hours	23	1	33	2	67	0	0	0	0	455	10	12	47	35	6	446	18	7	52	32	8	445
D. more than two hours	8	0	0	0	0	0	0	1	100	416	3	0	20	40	40	429	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	8	0	0	1	100	0	0	0	0	452	24	3	38	38	23	439	24	9	53	28	10	446
B. They match some of what I have learned.	38	0	0	2	40	1	20	2	40	434	41	1	54	28	16	441	49	6	54	31	9	445
C. They match just a little of what I have learned.	46	1	17	2	33	1	17	2	33	438	28	4	39	30	26	439	21	4	47	36	13	442
D. There is no match.	8	0	0	1	100	0	0	0	0	448	7	0	45	36	18	439	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	8	0	0	1	100	0	0	0	0	460	19	6	52	23	19	443	25	9	53	27	10	446
B. good	69	1	11	3	33	2	22	3	33	436	53	2	48	31	19	440	54	6	55	30	9	445
C. fair	23	0	0	2	67	0	0	1	33	437	21	0	40	40	20	439	19	3	43	40	15	441
D. poor	0										7	0	18	45	36	430	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	15	0	0	1	50	0	0	1	50	432	19	0	43	30	27	439	22	5	45	35	15	442
B. about the same as my regular schoolwork	77	1	10	4	40	2	20	3	30	438	64	3	46	32	19	440	62	7	53	31	9	445
C. easier than my regular schoolwork	8	0	0	1	100	0	0	0	0	460	17	4	39	36	21	439	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	0										13	0	19	57	24	437	24	7	48	33	12	444
B. a few times a week	38	1	20	2	40	0	0	2	40	437	62	4	47	31	19	441	53	7	54	31	9	445
C. once a week	46	0	0	2	33	2	33	2	33	435	12	0	50	25	25	438	9	6	46	33	15	442
D. a few times a month	15	0	0	2	100	0	0	0	0	454	13	0	59	18	23	440	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	54	1	14	3	43	1	14	2	29	439	38	3	40	29	27	439	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	15	0	0	1	50	1	50	0	0	447	13	0	36	36	27	437	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	15	0	0	0	0	0	0	2	100	417	24	5	41	38	15	442	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	15	0	0	2	100	0	0	0	0	450	25	0	61	27	12	441	22	9	55	26	9	446
Optional school/SAU question																						
A.	100	0	0	0	0	0	0	1	100	418	57	0	25	25	50	433						
B.	0										29	0	0	0	100	427						
C.	0										14	0	0	0	100	424						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number